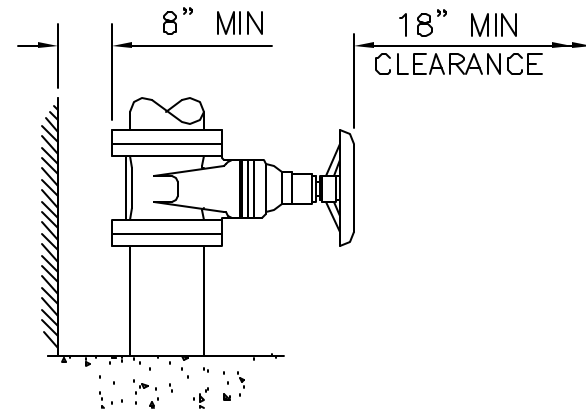
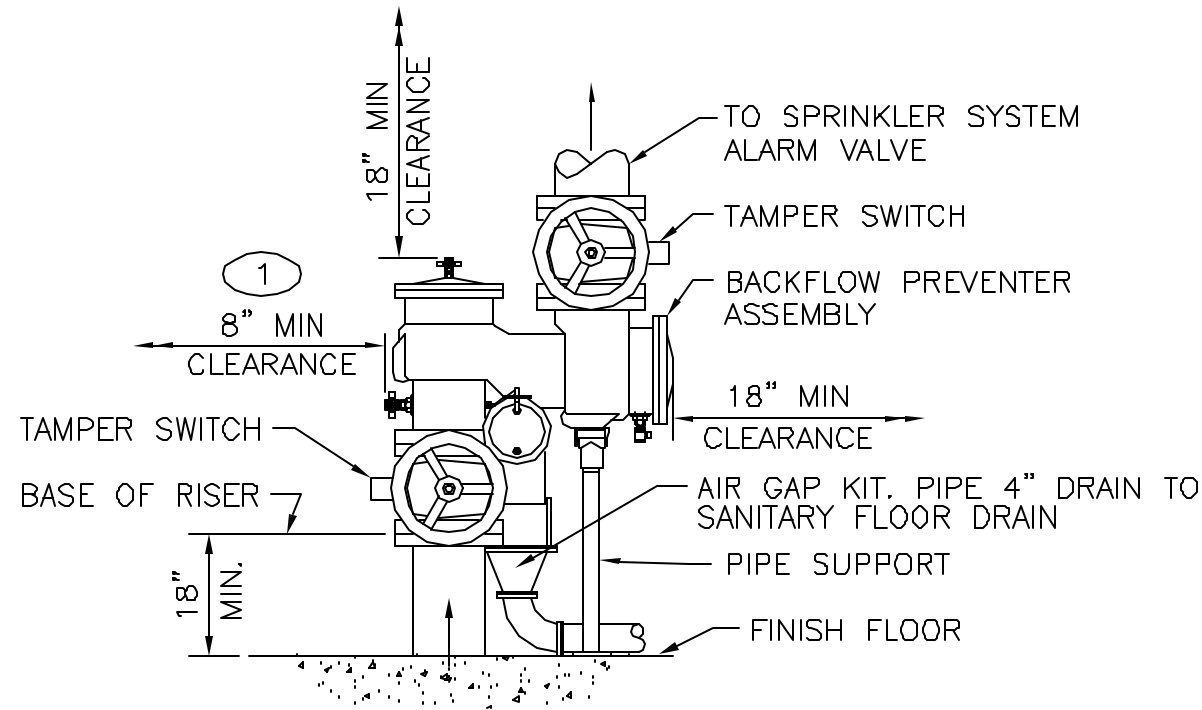


G:\LANL Engineering Standards\Eng. Manual [LEM]\2. Approved\ST-D4010-1\FR1.dwg, 08/06/02, 0000 083588



SIDE VIEW



ELEVATION

## SPRINKLER SYSTEM RISER BFP DETAIL

SCALE: NONE



NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE LEM FIRE PROTECTION POC.
2. REFER TO DIVISION 13 FOR FIRE SUPPRESSION SPRINKLER SPECIFICATIONS. (INCLUDES BACKFLOW PREVENTER SPECS).
3. REFER TO LANL ENGINEERING MANUAL, MECHANICAL CHAPTER, FOR CROSS CONNECTION CONTROL REQUIREMENTS IN FIRE LINES.
4. WHERE FIRE PROTECTION WATER SUPPLY IS DEDICATED FIRE PROTECTION WATER, BACKFLOW PREVENTER IS NOT REQUIRED.
5. SIZE FIRE LINE BFP TO MATCH ALARM CHECK VALVE SIZE.
6. PROVIDE FLOOR DRAIN TO SANITARY SEWER NEAR BFP. ROUTE DRAIN PIPING TO MINIMIZE A TRIPPING HAZARD.
7. BFP INSTALLED MORE THAN 5 FEET ABOVE FLOOR SHALL BE PROVIDED WITH A PLATFORM CAPABLE OF SUPPORTING A TESTER OR MAINTENANCE PERSON (UPC REQUIREMENT).

### KEYED NOTES:

- (1) PROVIDE MINIMUM CLEARANCES FOR UNIT OPERATION OR REPAIR.

DRAWING DEVELOPED FOR ML-3 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

1	8-30-02	U	NEW SHEET	RF	AT	JW	JW	TO	
NO	DATE	CLASS	REV	DESCRIPTION	OWN	VER	CHKD	SUB	APP
									
LANL ENGINEERING MANUAL				DRAWN	R.PEARSON				
SPRINKLER SYSTEM RISER DETAIL BACKFLOW PREVENTER				DESIGN	A.TRUJILLO				
BLDG. X				CHECKED	J.WOOD				
SUBMITTED				DATE	8-28-99				
DISCIPLINE POC: JULIA WOOD				APPROVED FOR RELEASE	STANDARDS MANAGER: TOBIN GRUCH				
				SHEET		6			
CLASSIFICATION U				REVIEWER	LARRY BAYS	DATE			
PROJECT ID				DRAWING NO		REV			
CHAPTER 2				ST-D4010-1		1			